

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002935**Date Inspected:** 14-Nov-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shanghai**Quality Control Contact:** Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** Sub-Assemblies, OBG 12AW and Office.**Bid Item:** 77, 78, 79**Lot No:****Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Kenneth W. Cason Jr. arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections is to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

**Sub-Assemblies (OBG)**

Bike Path Panels BK4A-002, BK4A-011, BK5A-001 and BK6A-001 (1Each), NOI Number 5025: In accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the final coat installation on Bike Path Panels (4 Each). ABF and ZPMC QA/QC recorded surface dry film thickness readings (DFT) in accordance with SSPC-PA2. No discrepancies noted.

Service Platform Cable Supports SPEP1 (6 Sets), SPEP2 (3 Sets) and SPEP3 (1Set), NOI Number 5027: In accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the final coat installation on Service Platform Cable Supports SPEP1 (6 Sets), SPEP2 (3 Sets) and SPEP3 (1Set). ABF and ZPMC QA/QC recorded surface dry film thickness readings (DFT) in accordance with SSPC-PA2. ABF and ZPMC QA/QC noted minor discrepancies requiring removal of Interfine 200HS from bolt connection areas. ABF Quality Assurance personnel instructed ZPMC to re-work parts and re-submit for inspection.

L10W Assembled Traveler Rail Brackets (9 Each), NOI Number 5029: In accordance with project specifications,

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this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the final coat installation on L10W Assembled Traveler Rail Brackets (9 Each). ABF and ZPMC QA/QC recorded surface dry film thickness readings (DFT) in accordance with SSPC-PA2. No discrepancies noted.

Service Platform SPB4-2, SPB7-2 and SPB8-2, NOI Number 505030: In accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the final coat installation on Service Platform SPB4-2, SPB7-2 and SPB8-2. ABF and ZPMC QA/QC recorded surface dry film thickness readings (DFT) in accordance with SSPC-PA2. No discrepancies noted.

### OBG

12AW OBG Internal and External Surfaces, NOI Number 5031: In accordance with project specifications and SSPC-SP 1, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on 12AW OBG Internal and External Surfaces in preparation for blasting operations. No discrepancies noted.

12AE OBG Internal Floor from Pre-Weld Seam to P.P112 and P.P111, NOI Number 5032: In accordance with project specifications and SSPC-SP 1, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on 12AE OBG Internal Floor from Pre-weld Seam to PP112 and PP111 in preparation for blasting operations. ABF and ZPMC QA/QC recorded x2 soluble salts readings of 15.9 and 20.4µs/cm. Discrepancies noted requiring additional grinding, weld repairs and re-blasting. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection.

Service Platform Cable Supports SPEP1 (6 Sets), SPEP2 (3 Sets) and SPEP3 (1Set), NOI Number 5033: In accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the final coat installation on Service Platform Cable Supports SPEP1 (6 Sets), SPEP2 (3 Sets) and SPEP3 (1Set). No discrepancies noted.

### Office

Attend to report writing and photo documentation.

Note: Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Cason,Kenneth
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Quality Assurance Inspector
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<b>Reviewed By:</b>	Miller,Mark
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QA Reviewer
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